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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

### Complete If Known

Application Number	10/097,302
Filing Date	March 15, 2002
First Named Inventor	G. Kirk
Art Unit	1744
Examiner Name	Unassigned
Attorney Docket Number	11641/96

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
NAB	1	US- 5,514,555	05/07/96	Springer et al.	<div style="font-size: 4em;">X</div>
NAB	2	US- 6,027,873	02/22/00	Schellenberger et al.	
		US-			
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### FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner  
Signature

/Nathan Bowers/

Date  
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09/26/2006

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PTO FORM 1449**

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**ATTY. DOCKET NO.**  
11641/96

**SERIAL NO.**  
10/097,302

**APPLICANTS**  
G. KIRK et al.

**FILING DATE**  
March 15, 2002

**GROUP**  
1744

**U. S. PATENT DOCUMENTS**

EXAMINER INITIAL	PATENT/PUBLICATION NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
NAB	6,558,904 B2	May 6, 2003	Ermantraut et al.			

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS**

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.

**EXAMINER** /Nathan Bowers/

**DATE CONSIDERED**  
09/26/2006

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO FORM 1449</b>	<b>ATTY. DOCKET NO.</b> 11641/5	<b>SERIAL NO.</b> 09/709,776
	<b>APPLICANTS</b> Kim ENOCH and David DUFFY	
	<b>FILING DATE</b> November 8, 2000	<b>GROUP</b> 1744

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EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
NAB	4,240,751	December 23, 1980	Linnecke, et al.			
	4,728,591	March 1, 1988	Clark, et al.			
	4,842,633	June 27, 1989	Kuribayashi, et al.			
	4,999,489	March 12, 1991	Huggins			
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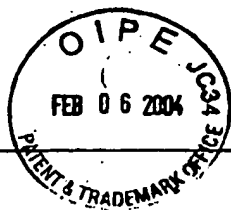
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
NAB	WO 98/36827	August 27, 1998	PCT				

## OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.

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NAB	5,894,063	April 13, 1999	Hutchens, et al.			
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NAB	George B. Sigal et al., "Using Surface Plasmon Resonance Spectroscopy To Measure the Association of Detergents with Self-Assembled Monolayers of Hexadecanethiolate on Gold", Langmuir, 1997, 13, pp. 2749-2755
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NAB	Rebecca J. Jackman et al., "Using Elastomeric Membranes as Dry Resists and for Dry Lift-Off", Langmuir, 1999, Vol. 15, pp. 2973-2984
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

\* - Copy of the search report attached

OTHER DOCUMENTS

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NAB	M. Saleemuddin, "Bioaffinity Based Immobilization of Enzymes", Advances in Biochemical Engineering/Biotechnology, 1999, Vol. 64, pp. 204-226	
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	Andre Bernard et al., "Printing Patterns of Proteins", Langmuir, April 28, 1998, Vol. 14, No. 9, pp. 2226-2228	
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Form 1449  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Page 1/3	<b>ATTY. DOCKET NO.</b> 11641/98	<b>SERIAL NO.</b> 10/097,322
	<b>APPLICANT</b> Gregory KIRK et al.	
	<b>FILING DATE</b> March 15, 2002	<b>GROUP</b> 1744

**U. S. PATENT DOCUMENTS**

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
NAB	6,238,874	05/29/01	Jarnagin et al.	X	X	07/28/99
	6,321,791	11/27/01	Chow			10/04/00
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	5,935,850	08/10/99	Clark et al.			09/30/96
	5,302,515	04/12/94	Goodwin, Jr.			08/20/92
	5,422,270	06/06/95	Caspi			05/19/87
	5,744,366	04/28/98	Kricka et al.			11/14/94
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	5,962,250	10/05/99	Gavin et al.			10/28/97
NAB	6,329,201	12/11/01	Wagner et al.			07/14/99

\* - If pertinent

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE*	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
NAB	WO 00/07007	02/10/00	US/PCT	X	X	N/A	
	WO 01/70389 A2	09/27/01	US/PCT			N/A	
	WO 01/34302 A2	05/17/01	US/PCT			N/A	
	WO 98/07069	02/19/98	US/PCT			N/A	
	WO 01/32827 A1	05/10/01	GB/PCT			N/A	
NAB	WO 01/69240 A1	09/20/01	US/PCT			N/A	

\* Publication date, unless otherwise indicated



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**OTHER DOCUMENTS**

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
NAB		"Formation of Gradients of Proteins on Surfaces with Microfluidic Networks", Caelen et al.: Langmuir (2000) vol. 16, pages 9125-9130
		"Gradient Micropattern Immobilization of EGF to Investigate the Effect of Artificial Juxtacrine Stimulation", Chen et al.: Biomaterials (2001) pages 2453-2457
		"How to Prepare Tunable Planar Molecular Chemical Gradients", Kirill Efimenko and Jan Genzer: Advanced Materials (2001) vol. 13, no. 20, pages 1560-1563
		"Electroosmotic Properties of Microfluidic Channels Composed of Poly (Dimethylsiloxane)", Ren et al.: Journal of Chromatography B, " (2001) vol. 762, pages 117-125.
		"A Firin or Collagen Gel Assay for Tissue Cell Chemotaxis: Assessment of Fibroblast Chemotaxis to GRGDSP", Knapp et al.: Experimental Cell Research, (1999) vol. 247, pages 543-553.
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		"Rapid and quantitative in vitro measurement of cellular chemotaxis and invasion", Penno et al: Methods in Cell Science (1997) vol. 19, pages 189-195
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		"Experimental/Molecular Therapeutics 27" Proceedings of the American Association for Cancer Research (2001) vol. 42, page 484
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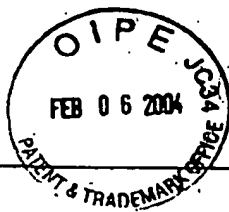
Form 1449  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>   Page 3/3	<b>ATTY. DOCKET NO.</b> 11641/98	<b>SERIAL NO.</b> 10/097,322
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EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
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NAB		"Cell Movement Analysis in a Necrotactic Assay" Gruler: Blood Cells (1984) vol. 10, pages 107-121.

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<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO FORM 1449</b>	<b>ATTY. DOCKET NO.</b> 11641/5	<b>SERIAL NO.</b> 09/709,776
	<b>APPLICANT</b> Enoch KIM and David DUFFY	
	<b>FILING DATE</b> November 8, 2002	<b>GROUP</b> 1744

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
NAB	4,802,951*	07 February 1989	Clark et al.			
NAB	5,599,695*	04 February 1997	Pease et al.			
NAB	5,512,131*	30 April 1996	Kumar et al.			

\* - Copy of the search report attached

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.

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10/688905 NAB

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	APPLICANT Enoch KIM et al.	
	FILING DATE September 12, 2002	GROUP 1744

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE (MM/DD/YY)	NAME	CLASS	SUBCLASS	FILING DATE
NAB	5,302,515 A	April 12, 1994	Goodwin, Jr.			
NAB	5,422,270 A	June 6, 1995	Caspi			
NAB	5,460,945 A	October 24, 1995	Springer et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE (MM/DD/YY)	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

\* English Abstract

\*\* English comments provided on cover sheet.

## OTHER DOCUMENTS

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
NAB		International Search Report, International Application No. PCT/US03/12764, dated August 8, 2003 (3 pages)

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\* - If pertinent



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	APPLICANT Enoch KIM et al.	
	FILING DATE September 12, 2002	GROUP 1744

#### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE*	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
NAB	WO 02/03062	10 January 2002	GB				
NAB	WO 93/06835	15 April 1993	US				
NAB	WO 93/17033	2 September 1993	US				
NAB	WO 98/52691	26 November 1998	CA				
NAB	WO 00/7662	17 February 2000	US				

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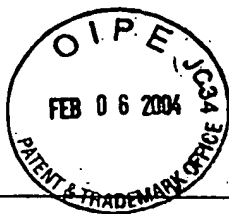
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NAB		Folch et al., "Microfabricated elastomeric stencils for micropatterning cell cultures", Journal of Biomedical Materials Research, vol. 52, pgs.346-353 (2000)
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO FORM 1449</b>	<b>ATTY. DOCKET NO.</b> 11641/130	<b>SERIAL NO.</b> <del>10/206,112</del>
	<b>APPLICANTS</b> Enoch KIM, <i>et al.</i>	
	<b>FILING DATE</b> July 29, 2002	<b>GROUP</b> To be Assigned

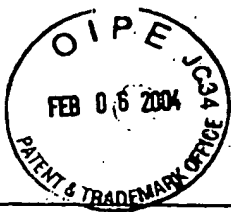
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NAB	4,240,751	December 23, 1980	Linnecke, et al.			
	4,728,591	March 1, 1988	Clark, et al.			
	4,802,951	February 7, 1989	Clark et al.			
	4,842,633	June 27, 1989	Kuribayashi, et al.			
	4,999,489	March 12, 1991	Huggins			
	5,079,600	January 7, 1992	Schnur, et al.			
	5,143,854	September 1, 1992	Pirung, et al.			
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	5,324,591	June 28, 1994	Georger, Jr. et al.			
	5,510,481	April 23, 1996	Bednarski, et al.			
	5,512,131	April 30, 1996	Kumar, et al.			
	5,599,695	February 4, 1997	Pease, et al.			
	5,679,310	October 21, 1997	Manns			
	5,691,018	November 25, 1999	Kelley, et al.			
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	5,856,082	January 5, 1999	Aebersold et al.			
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	5,942,443	August 24, 1999	Parce, et al.			
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	6,001,556	December 14, 1999	Charych, et al.			
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	4,789,601	December 6, 1988	Banes			
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NAB	6,136,592	October 24, 2000	Leighton et al.			
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	6,329,164	December 11, 2001	Goodwin Jr, et al.			
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO FORM 1449</b>	<b>ATTY. DOCKET NO.</b> 11641/128	<b>SERIAL NO.</b> <del>10/206/111</del>
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**U. S. PATENT DOCUMENTS**

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE

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						YES	NO
NAB	EP 1 199 354 A1	March 4, 2002	EP				
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